

WHAT IS CLAIMED IS:

1. A device for recognizing and assigning priorities to data packets for telecommunications networks, comprising switching means which are adapted to divide data packets that arrive from an operator network
5 connected thereto and to route them according to packet type, said switching means being connected to voice data processing means and to a plurality of outputs which allow to connect apparatuses for processing said data.

2. The device according to claim 1, wherein said switching means are provided with memory means.

10 3. The device according to claim 1, wherein said voice data processing means comprise voice data processor means provided with memory means and digital signal processing means provided with corresponding memory means.

15 4. The device according to claim 3, wherein said digital signal processing means are interfaced bidirectionally with a bus with which encoder means, adapted to convert telephone signals from analog to digital and from digital to analog, are interfaced.

20 5. The device according to claim 4, wherein said bus interfaced with said digital signal processing means can be accessed both internally and externally.

6. An apparatus adapted to be placed in input to a building to be served, comprising a device according to claim 1.

25 7. The apparatus according to claim 6, comprising an interface between a telecommunications network and said device, said device being further connected bidirectionally to an additional interface for broadband services.

8. An apparatus adapted to interface a telecommunications network, to decode voice services internally, and to provide data to peripheral units, comprising a device according to claim 1.

9. A video decoder, comprising a device according to claim 1.

30 10. A personal computer, comprising a device according to claim 1.